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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/644,123	
			Filing Date	August 20, 2003	
			First Named Inventor	Nigel G. J. Richards	
			Art Unit	1652	
			Examiner Name		
Sheet	1	of	6	Attorney Docket Number	UF-314XC1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U1	US-6,355,242	03-12-2002	Allison <i>et al.</i>	All
	U2	US-6,297,425	10-02-2001	Scelonge <i>et al.</i>	All
	U3	US-			
	U4	US-			
	U5	US-			
	U6	US-			
	U7	US-			
	U8	US-			
	U9	US-			

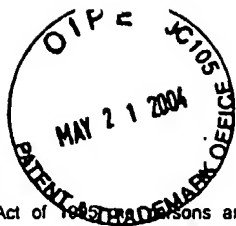
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴ - Kind Code ⁵ (if known)			
	F1		WO 98/52586	11-26-1998	Ixion Biotechnology Inc.	All
	F2					
	F3					
	F4					
	F5					
	F6					
	F7					

Examiner Signature		Date Considered	9/1/04
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CJZ	R1	ALLISON, M.J. <i>et al.</i> "Oxalate Degradation by Microbes of the Large Bowel of Herbivores: The Effect of Dietary Oxalate", <i>Science</i> , 1981, pp. 675-676, Vol. 212, No. 4495.	
	R2	ALLISON, M.J. <i>et al.</i> "Oxalobacter Formigenes gen. nov., sp. nov.: Oxalate-Degrading Anaerobes that Inhabit the Gastrointestinal Tract", <i>Arch Microbiol.</i> , 1985, pp. 1-7, Vol. 141.	
	R3	ALLISON, M.J. <i>et al.</i> "Oxalate Degradation by Gastrointestinal Bacteria from Humans", <i>J. Nutr.</i> , 1986, pp. 455-460, Vol. 116.	
	R4	ALTSCHUL, S.F. <i>et al.</i> "Gapped BLAST and PSI-BLAST: A New Generation Of Protein Database Search Programs", <i>Nucl. Acids Res.</i> , 1997, pp. 3389-3402, Vol. 25, No. 17.	
	R5	ANAND, R. <i>et al.</i> "Structure of Oxalate Decarboxylase from <i>Bacillus Subtilis</i> at 1.75 A Resolution", <i>Biochemistry</i> , 2002, pp. 7659-7669, Vol. 41.	
	R6	BALDWIN, J. <i>et al.</i> "Mechanism of Rapid Electron Transfer During Oxygen Activation in the R2 Subunit of <i>Escherichia Coli</i> Ribonucleotide Reductase. 1. Evidence for a Transient Tryptophan Radical", <i>J. Am. Chem. Soc.</i> , 2000, pp. 12195-12206, Vol. 122.	
	R7	BAR, G. <i>et al.</i> "High-Frequency (140-GHz) Time Domain EPR and ENDOR Spectroscopy: The Tyrosyl Radical-Diiron Cofactor in Ribonucleotide Reductase from Yeast", <i>J. Am. Chem. Soc.</i> , 2001, pp. 3569-3576, Vol. 123.	
	R8	BASOSI, R. <i>et al.</i> "Multifrequency ESR of Copper Biophysical Applications", <i>EMR of Paramagnetic Molecules</i> , 1993, pp. 103-150, Vol. 13, Plenum Press, New York.	
	R9	DANIEL, S.L. <i>et al.</i> "Microbial Degradation of Oxalate in the Gastrointestinal Tracts of Rats", <i>Appl. Environ. Microbiol.</i> , 1987, pp. 1793-1797, Vol. 53, No. 8.	
	R10	DAWSON, K.A. <i>et al.</i> "Isolation and Some Characteristics of Anaerobic Oxalate-Degrading Bacteria from the Rumen", <i>Appl. Environ. Microbiol.</i> , 1980, pp. 833-839, Vol. 40, No. 4.	
	R11	DOANE, L.T. <i>et al.</i> "Microbial Oxalate Degradation: Effects on Oxalate and Calcium Balance in Humans", <i>Nutr. Res.</i> , 1989, pp. 957-964, Vol. 9.	
	R12	DUNWELL, J.M. <i>et al.</i> "Microbial Relatives of the Seed Storage Proteins of Higher Plants: Conservation of Structure and Diversification of Function During Evolution of the Cupin Superfamily", <i>Microbiol. Mol. Biol. Rev.</i> , 2000, pp. 153-179, Vol. 64, No. 1.	
	R13	DUTTON, M.V. <i>et al.</i> "Oxalate Production by Fungi: Its Role In Pathogenicity and Ecology in the Soil Environment", <i>Can. J. Microbiol.</i> , 1996, pp. 881-895, Vol. 42, Canada.	

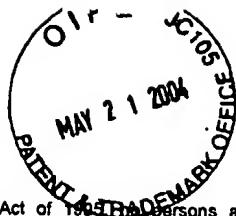
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CJZ	R14	EMILIANI, E. <i>et al.</i> "Enzymatic Oxalate Decarboxylation in <i>Aspergillus Niger</i> ", <i>Arch. Biochem. Biophys.</i> , 1964, pp. 488-493, Vol. 105.	
	R15	EMILIANI, E. <i>et al.</i> "Enzymatic Oxalate Decarboxylation in <i>Aspergillus Niger</i> : Hydrogen Peroxide Formation and Other Characteristics of the Oxalate Decarboxylase", <i>Biochimica Biophysica Acta</i> , 1968, pp. 414-421, Vol. 167.	
	R16	GANE, P.J. <i>et al.</i> "Modeling Based on the Structure of Vicilins Predicts a Histidine Cluster in the Active Site of Oxalate Oxidase", <i>J. Mol. Evol.</i> , 1998, pp. 488-493, Vol. 46.	
	R17	HALCROW, M. A. "Chemically Modified Amino Acids in Copper Proteins that Bind or Activate Dioxide", <i>Angew. Chem. Int. Ed.</i> , 2001, pp. 346-349, Vol. 40, No. 2.	
	R18	HALLIWELL, B. "Non-Enzymic Catalysis of Oxalate Decarboxylation by Light and Flavins", <i>Biochem. J.</i> , 1972, pp. 497-498, Vol. 129.	
	R19	KATHIARA, M. <i>et al.</i> "Detection and Partial Characterization of Oxalate Decarboxylase from <i>Agaricus Bisporus</i> ", <i>Mycol. Res.</i> , 2000, pp. 345-350, Vol. 104, No. 3.	
	R20	KESARWANI, M. <i>et al.</i> "Oxalate Decarboxylase from <i>Collybia Velutipes</i> : Molecular Cloning and its Overexpression to Confer Resistance to Fungal Infection In Transgenic Tobacco and Tomato", <i>J. Biol. Chem.</i> , 2000, pp. 7230-7238, Vol. 275, No. 10.	
	R21	KIMMERLING, E.A. <i>et al.</i> "Invasive <i>Aspergillus Niger</i> with Fatal Pulmonary Oxalosis in Chronic Obstructive Pulmonary Disease", <i>Chest</i> , 1992, pp. 870-872, Vol. 101, No. 3.	
	R22	KOTSIRA, V.P. <i>et al.</i> "Oxalate Oxidase from Barley Roots: Purification to Homogeneity and Study of Some Molecular, Catalytic, and Binding Properties", <i>Arch. Biochem. Biophys.</i> , 1997, pp. 239-249, Vol. 340, No. 2.	
	R23	KREBS, C. <i>et al.</i> "Mechanism of Rapid Electron Transfer During Oxygen Activation in the R2 Subunit of <i>Escherichia coli</i> Ribonucleotide Reductase. 2. Evidence for and Consequences of Blocked Electron Transfer in the W48F Variant", <i>J. Am. Chem. Soc.</i> , 2000, pp. 12207-12219, Vol. 122.	
	R24	KUNST, F. <i>et al.</i> "The Complete Genome Sequence of the Gram-Positive Bacterium <i>Bacillus Subtilis</i> ", <i>Nature</i> , 1997, pp. 249-256, Vol. 390.	
	R25	LANDRY, M.M. <i>et al.</i> "Calcium Oxalate Crystal Deposition in Necrotizing Otomycosis Caused by <i>Aspergillus Niger</i> ", <i>Mod. Pathol.</i> , 1993, pp. 493-496, Vol. 6.	
	R26	LILLEHOJ, E.B. <i>et al.</i> "An Oxalic Acid Decarboxylase of <i>Myrothecium Verrucaria</i> ", <i>Arch. Biochem. Biophys.</i> , 1965, pp. 216-220, Vol. 109.	

Examiner Signature	<i>Christa L. Tronde</i>	Date Considered	9/1/04
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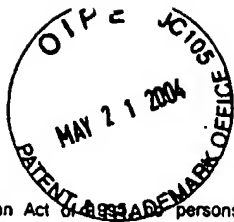
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C77	R27	MEHTA, A. <i>et al.</i> "Oxalate Decarboxylase from <i>Collybia Velutipes</i> - Purification, Characterization, and cDNA Cloning", <i>J. Biol. Chem.</i> , 1991, pp. 23548-23553, Vol. 266, No. 35.	
	R28	METZGER, J.B. <i>et al.</i> "Pulmonary Oxalosis Caused by <i>Aspergillus Niger</i> ", <i>Am. Rev. Respir. Dis.</i> , 1984, pp. 501-502, Vol. 129.	
	R29	NEVES-PETERSON, M.T. <i>et al.</i> "Engineering the pH-Optimum of a Triglyceride Lipase: From Predictions Based on Electrostatic Computations to Experimental Results", <i>J. Biotech.</i> , 2001, pp. 225-254, Vol. 87.	
	R30	NIELSEN, J.E. <i>et al.</i> "Electrostatics in the Active Site of an α -Amylase", <i>Eur. J. Biochem.</i> , 1999, pp. 816-824, Vol. 264.	
	R31	PARAST, C.V. <i>et al.</i> "Hydrogen Exchange of the Glycyl Radical of Pyruvate Formate-Lyase Is Catalyzed by Cysteine 419", <i>Biochemistry</i> , 1995, pp. 2393-2399, Vol. 34, No. 8.	
	R32	PARAST, C.V. <i>et al.</i> "Electron Paramagnetic Resonance Evidence for a Cysteine-Based Radical in Pyruvate Formate-Lyase Inactivated with Mercaptopyruvate", <i>Biochemistry</i> , 1995, pp. 5712-5717, Vol. 34.	
	R33	PERSSON, A.L. <i>et al.</i> "CysteinyI and Substrate Radical Formation in Active Site Mutant E441Q of <i>Escherichia Coli</i> Class I Ribonucleotide Reductase", <i>J. Biol. Chem.</i> , 1998, pp. 31016-31020, Vol. 273, No. 47.	
	R34	QUAYLE, J.R. "Carbon Assimilation by <i>Pseudomonas Oxalaticus</i> (OX1) Decarboxylation of Oxalyl-Coenzyme A to Formyl-Coenzyme A", <i>Biochem. J.</i> , 1963, pp. 492-503, Vol. 89.	
	R35	REQUENA, L. <i>et al.</i> "Barley (<i>Hordeum Vulgare</i>) Oxalate Oxidase is a Manganese-Containing Enzyme", <i>Biochem. J.</i> , 1999, pp. 185-190, Vol. 343.	
	R36	RUPP, H. <i>et al.</i> "Electron Spin Relaxation of Iron-Sulphur Proteins Studied by Microwave Power Saturation", <i>Biochimica Biophysica Acta</i> , 1978, pp. 255-269, Vol. 537.	
	R37	SEEBACH, D. "Methods of Reactivity Umpolung", <i>Angew. Chem. Intl. Ed. Engl.</i> , 1979, pp. 239-258, Vol. 18, No. 4.	
	R38	SHAW, A. <i>et al.</i> "Protein Engineering of α -Amylase for Low pH Performance", <i>Current Opinion in Biotechnology</i> , 1999, pp. 349-352, Vol. 10, No. 4.	
	R39	SHIMAZONO, H. "Oxalic Acid Decarboxylase, A New Enzyme from the Mycelium of Wood Destroying Fungi", <i>J. Biochem.</i> , 1955, pp. 321-340, Vol. 42, No. 3.	

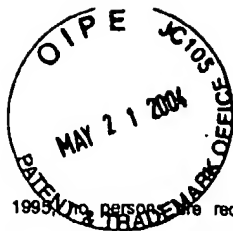
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C72	R40	SHIMAZONO, H. <i>et al.</i> "Enzymatic Decarboxylation of Oxalic Acid", <i>J. Biol. Chem.</i> , 1957, pp. 151-159, Vol. 227.	
1	R41	SOLOMONS, C.C. <i>et al.</i> "Calcium Citrate for Vulvar Vestibulitis", <i>J. Repro. Med.</i> , 1991, pp. 879-882, Vol. 36.	
	R42	SU, Q. <i>et al.</i> "Probing the Mechanism of Proton Coupled Electron Transfer to Dioxygen: the Oxidative Half-Reaction of Bovine Serum Amine Oxidase", <i>Biochem.</i> , 1998, pp. 12513-12525, Vol. 37.	
	R43	TANNER, A. <i>et al.</i> "Bacillus Subtilis YvrK Is an Acid-Induced Oxalate Decarboxylase", <i>J. Bact.</i> , 2000, pp. 5271-5273, Vol. 182, No. 18.	
	R44	TANNER, A. <i>et al.</i> "Oxalate Decarboxylase Requires Manganese and Dioxygen for Activity", <i>J. Biol. Chem.</i> , 2001, pp. 43627-43634, Vol. 276, No. 47.	
	R45	VILLAFRANCA, J.J. <i>et al.</i> "Manganese (II) and Substrate Interaction with Unadenylylated Glutamine Synthetase (<i>Escherichia Coli</i> W). II. Electron Paramagnetic Resonance and Nuclear Magnetic Resonance Studies of Enzyme-Bound Manganese(II) with Substrates and a Potential Transition-State Analogue, Methionine Sulfoximine", <i>Biochem.</i> , 1976, pp. 544-553, Vol. 15, No. 3.	
	R46	WALTER, P. <i>et al.</i> "Signal Sequence Recognition and Protein Targeting to the Endoplasmic Reticulum Membrane", <i>Annu. Rev. Cell Biol.</i> , 19-94, pp. 87-119, Vol. 10.	
	R47	WOO, E. <i>et al.</i> "Germin is a Manganese Containing Homohehexamer with Oxalate Oxidase and Superoxide Dismutase Activities", <i>Nat. Struct. Biol.</i> , 2000, pp. 1036-1040, Vol. 7, No. 11.	
	R48	KARLIN, S. <i>et al.</i> "Methods for Assessing the Statistical Significance of Molecular Sequence Features by Using General Scoring Schemes", <i>Proc. Natl. Acad. Sci. USA</i> , 1990, pp. 2264-2268, Vol. 87.	
	R49	KARLIN, S. <i>et al.</i> "Applications and Statistics for Multiple High-Scoring Segments in Molecular Sequences", <i>Proc. Natl. Acad. Sci. USA</i> , 1993, pp. 5873-5877, Vol. 90.	
	R50	PADMAKUMAR, R. <i>et al.</i> "Evidence form Electron Paramagnetic Resonance Spectroscopy of the Participation of Radical Intermediates in the Reaction Catalyzed by Methymalonyl-Coenzyme A Mutase", <i>J. Biol. Chem.</i> , 1995, pp. 9295-9300, Vol. 270, No. 16.	
	R51	DRUMMOND, A.Y. <i>et al.</i> "Stages in Oxidations of Organic Compounds by Potassium Permanganate; Part I. The Permanganate-Manganate Stage; Part II. The Manganic-Manganous Stage", <i>J. Chem. Soc.</i> , 1953, pp. 435-443.	

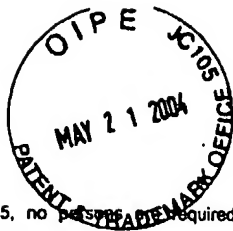
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				Application Number	10/644,123
				Filing Date	August 20, 2003
				First Named Inventor	Nigel G. J. Richards
				Group Art Unit	1652
				Examiner Name	
				Attorney Docket Number	UF-314XC1
Sheet	6	of	6		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CA	R52	EDLUND, O. <i>et al.</i> "ENDOR Study of γ -Irradiated Single Crystals of Sodium Hydrogen Oxalate Monohydrate, $\text{NaHC}_2\text{O}_4\cdot\text{H}_2\text{O}$ ", <i>J. Magnetic Res.</i> , 1973, pp. 7-14, Vol. 10.	
L	R53	BARD, A.J. <i>et al.</i> "Electrode Potentials and Voltammetric Properties", <u>Encyclopedia of Electrochemistry of the Elements</u> , 1975, pp. 267-328, Marcel Dekker, Inc., New York.	
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Examiner Signature	<i>Christina L. Thorne</i>	Date Considered	9/1/04
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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